

INSTALLER FRIENDLY SERIES™ - IFS Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose, float controlled system for pump control and system monitoring.

The IFS simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The IFS control panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring pump and float operation.

The panel configuration can be easily converted in the field to either a timed dose or demand dose by a simple jumper change and by adding a display board (timed dose only) for programming pump ON/OFF times.

TOUCH PAD FEATURES

- A. **Control Power Indicator/Fuse.** Indicator light will illuminate if control power is present in panel.
- B. **Control Fuse Replace Indicator** will illuminate if control fuse is blown. Alarm will activate if control fuse is blown.
- C. **Alarm Power Indicator/Fuse.** Indicator light will illuminate if alarm power is present in panel.
- D. **Alarm Fuse Replace Indicator** will illuminate if alarm fuse is blown.
- E. **Float Indicators** will illuminate when floats are activated. Alarm will activate if a float operates out of sequence and the appropriate float indicator will flash.
- F. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level is reached.
- G. **Pump Run Indicator** will illuminate when pump is called to run.
- H. **Seven-Segment LED Display** shows mode, pump elapsed time (hh:mm), events (cycles), alarm counter, timed dose override counter, and ON/OFF times. (Display is standard on timed dose and optional on demand dose.)
- I. **Next Push Button** when pressed toggles display through: mode, elapsed time meter, cycle counter, and alarm counter. Timed dose mode also provides override counter and pump ON/OFF times.
- J. **Repeat Cycle Timer Display Push Buttons** when pressed sets pump ON/OFF times (timed dose only).

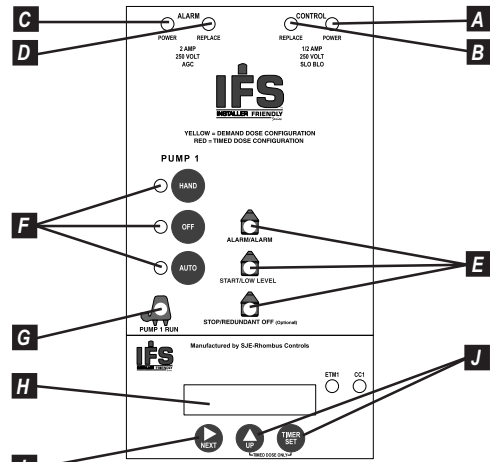
Note: LED display will turn off after one minute of not being used.

PANEL COMPONENTS

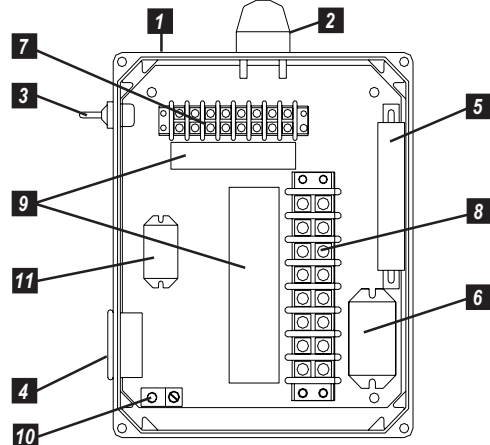
1. **Enclosure** base simplex measures 10 X 8 X 4 inches (25.4 X 20.32 X 10.16 cm), NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
6. **Power Relay** controls pump by switching electrical line(s). Definite purpose contactors used when pump full load amps are above 15.
7. **Float Connection Terminal Block**
8. **Large Incoming Power/Pump Connection Terminal Block**
9. **Terminal Block Installation Labels**
10. **Ground Lug**
11. **Alarm Activation Relay**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown IFS11W904X (Inner door view)



Model Shown IFS11W904X (Inside view)

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
 - Demand Dose** - three 20' Sensor Float® control switches
 - Timed Dose** - two 20' Sensor Float® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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MODEL IFS

- MODEL TYPE**
- 1 = SPLX TIMED DOSE (includes option 8AC standard) \$692.00
 - 2 = SPLX DEMAND DOSE \$617.00
- ALARM PACKAGE**
- 1 = alarm package (includes test/normal/silence switch, fuse, red light & horn) Base
- ENCLOSURE RATING**
- W = NEMA 4X Base
- STARTING DEVICE**
- 1 = 120/208/240 VAC Base
 - 9 = 120 VAC Base
- PUMP FULL LOAD AMPS**
- 0 = 0-7 FLA Base
 - 1 = 7-15 FLA Base
 - 2 = 15-20 FLA \$80.00
- PUMP DISCONNECTS**
- 0 = no pump disconnect Base
 - 4 = circuit breaker
 - 120 VAC (must select starting device option 9) \$35.00
 - 120/208/240 VAC (must select starting device option 1) \$70.00
- SWITCH APPLICATIONS**
- H = floats (Timed dose = low level and alarm / Demand dose = stop, start, and alarm) Base
 - X = no float
 - timed dose \$50.00
 - demand Dose -\$75.00

Note: Pump down applications only.

OPTIONS *Listed below*

Total Options _____
TOTAL LIST PRICE _____

If additional features are required, call the factory for a quote on either a SJE-Rhombus® Pro-Line or Engineered Custom control panel system.

CODE DESCRIPTION	LIST PRICE	CODE DESCRIPTION	LIST PRICE
<input type="checkbox"/> 3A Alarm flasher	\$50.00	<input type="checkbox"/> 10K Anti-condensation heater	\$100.00
<input type="checkbox"/> 3B Manual reset alarm	\$25.00	<input type="checkbox"/> 11C NEMA 1 remote alarm panel (must select option 6A)	\$65.00
<input type="checkbox"/> 4A Redundant off	\$0.00	<input type="checkbox"/> 11D NEMA 4X remote alarm panel (must select option 6A)	\$170.00
<input type="checkbox"/> 4D Redundant off float - 20 ft. Sensor Float®	\$25.00	<input type="checkbox"/> 15A Control / Alarm circuit breaker	\$35.00
<input type="checkbox"/> 6A Auxiliary alarm contacts, form C	\$40.00	<input type="checkbox"/> 16A 10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/> 8AC Display board includes: ETM counter, events (cycles) counter, alarm counter, and override counter (timed dose only). Display board also required for changing a demand dose panel to timed dose panel. Demand Dose	\$100.00	<input type="checkbox"/> 16B 15' cord in lieu of 20' (per float)	-\$1.00
Timed Dose (included as standard)	\$0.00	<input type="checkbox"/> 16C 30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 10E Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/> 16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 10F Lightning arrestor (control and alarm power combined)	\$160.00	<input type="checkbox"/> 17C Sensor Float® / internally weighted ▲ (per float) ...	\$5.00
		<input type="checkbox"/> 17D Sensor Float® / externally weighted ▲ (per float) ..	\$7.00
		<input type="checkbox"/> 17G MilliAmpMaster™/ pipe clamp ● (per float)	\$0.00
		<input type="checkbox"/> 17H MilliAmpMaster™/ externally weighted ● (per float) ..	\$7.00
		<input type="checkbox"/> 18A Timer override option with float (timed dose only)	\$25.00

● Mechanically-activated ▲ Mercury-activated

SAMPLE

MODEL	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">IFS</div> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">W</div> <div style="border: 1px solid black; padding: 2px 5px;">9</div> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">4</div> <div style="border: 1px solid black; padding: 2px 5px;">H</div> <div style="border: 1px solid black; padding: 2px 5px;">8AC10E</div> </div>	LIST PRICE
Model Type		IFS1 \$692.00
Alarm Package		1 Base
Enclosure Rating		W Base
Starting Device		9 Base
Pump Full Load Amps		1 Base
Pump Disconnects		4 \$35.00
Switch Application		H Base
Options: Display, Lockable Latch		8AC \$0.00
		10E \$40.00
		TOTAL LIST PRICE \$767.00